

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415551

Luminaire Tested: **LXF.LXT-PA1-50-750-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-750-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5439 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

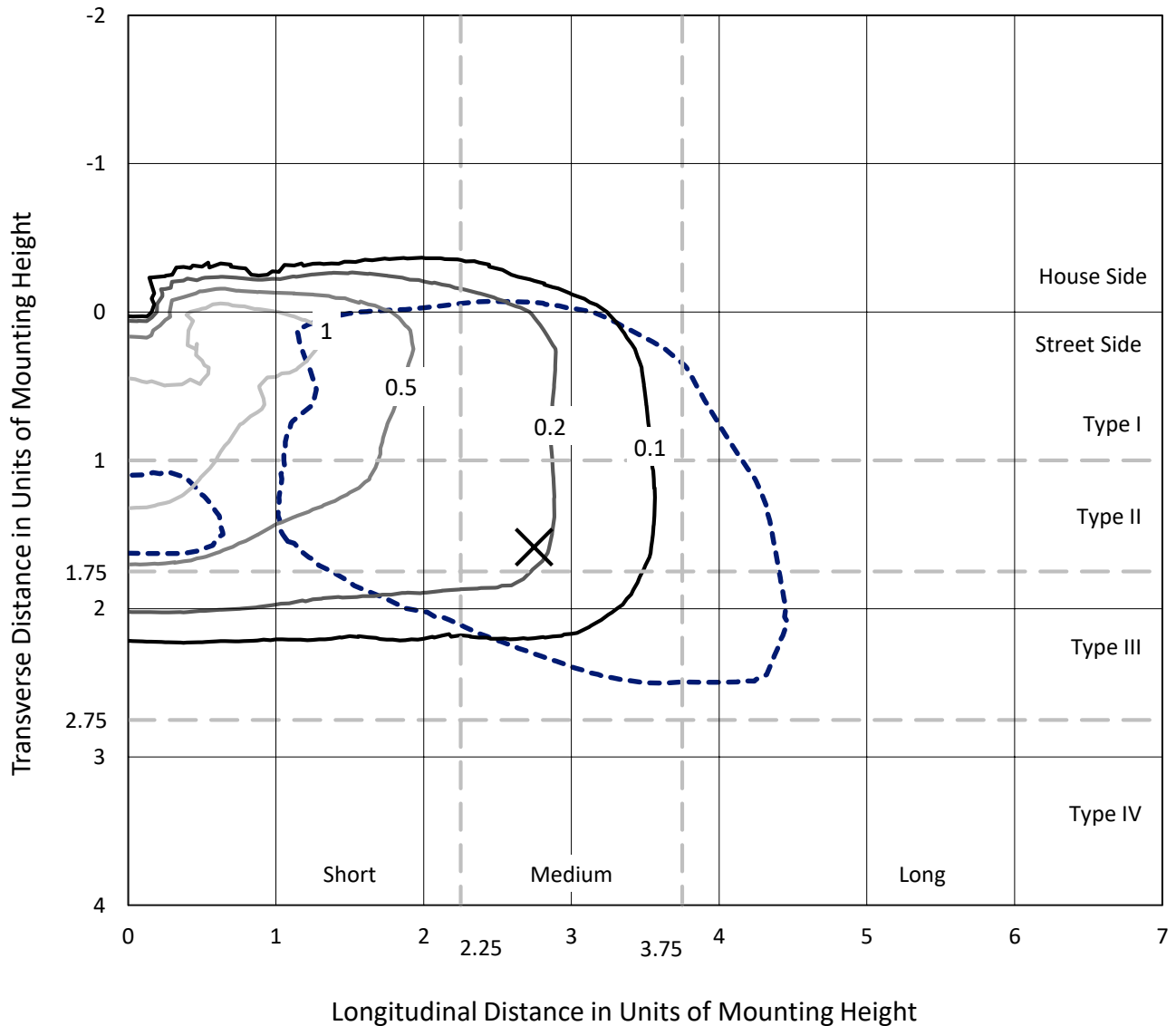
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

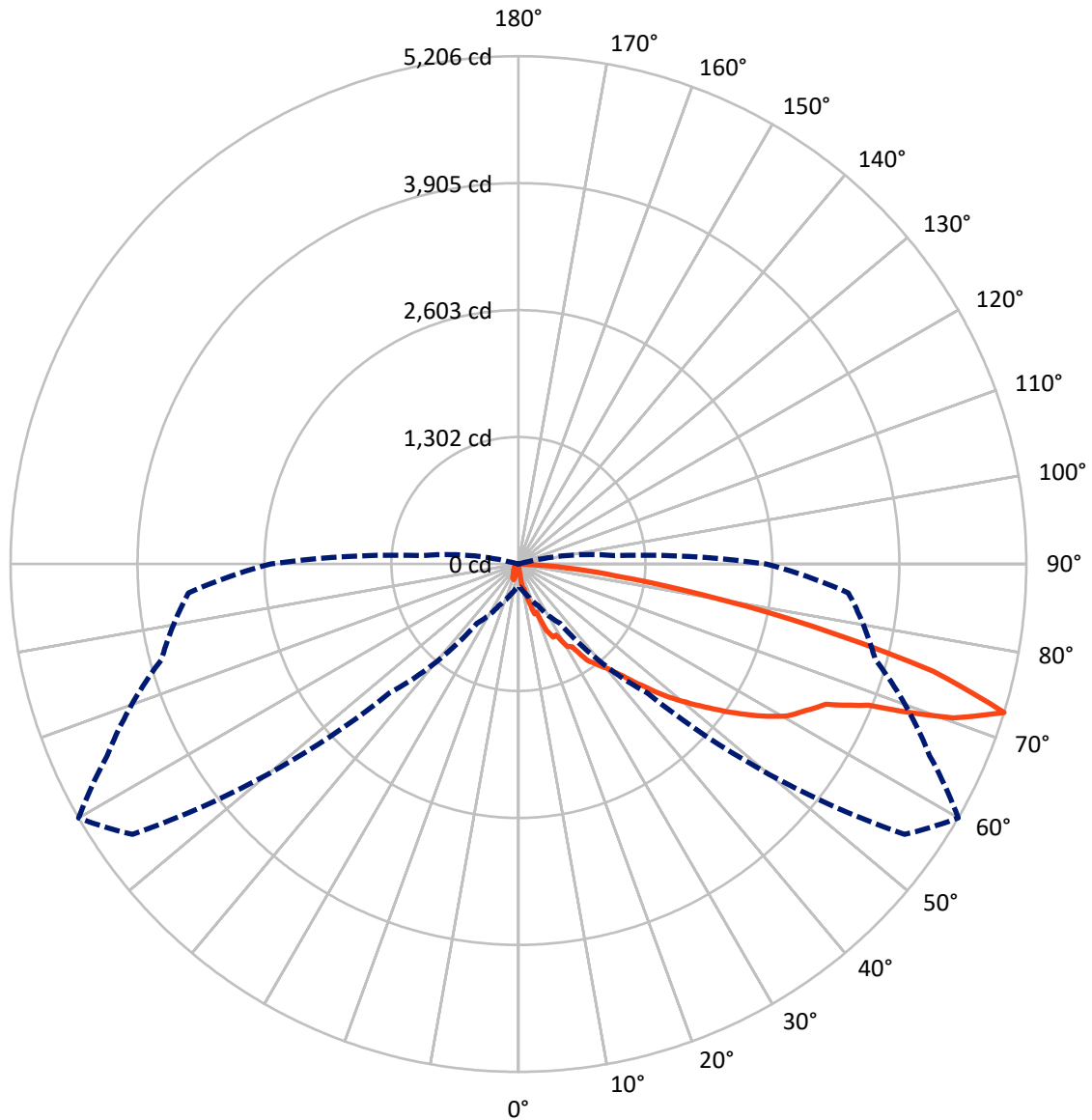


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical



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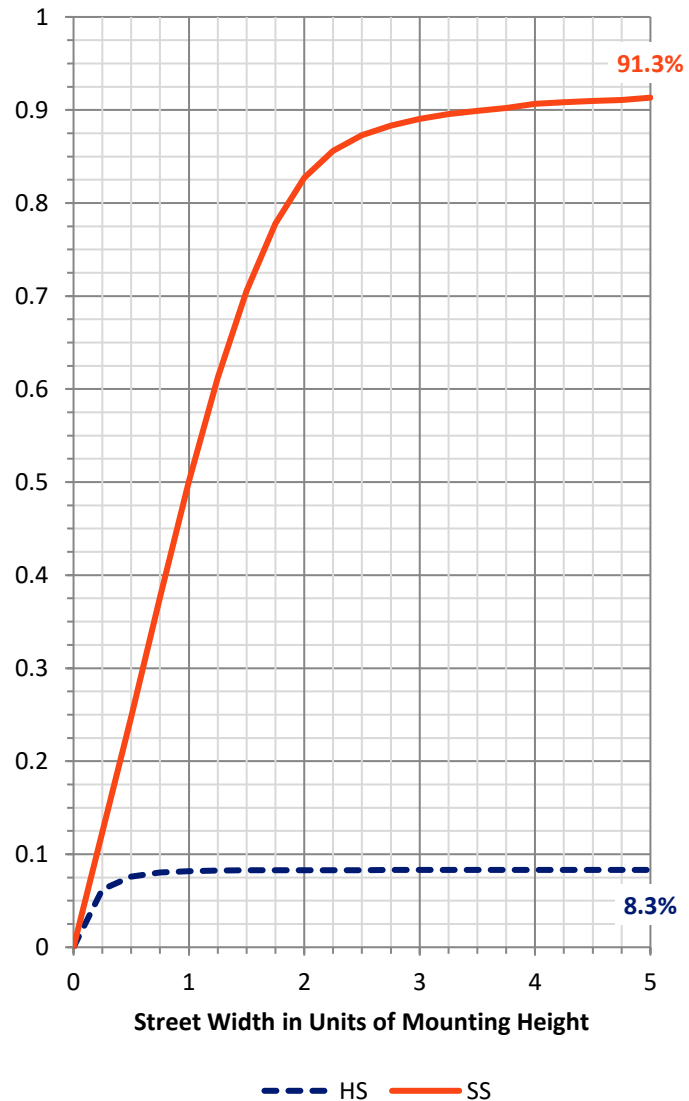
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	456.2	0.0	456.2
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	4982.8	0.0	4982.8
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	5439.0	0.0	5439.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.3	0.1
10°-20°	75.8	1.4
20°-30°	236.9	4.4
30°-40°	510.7	9.4
40°-50°	868.4	16.0
50°-60°	1283.8	23.6
60°-70°	1396.5	25.7
70°-80°	951.7	17.5
80°-90°	107.9	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5439.0	100.0
0°-180°	5439.0	100.0

**Coefficient of Utilization**



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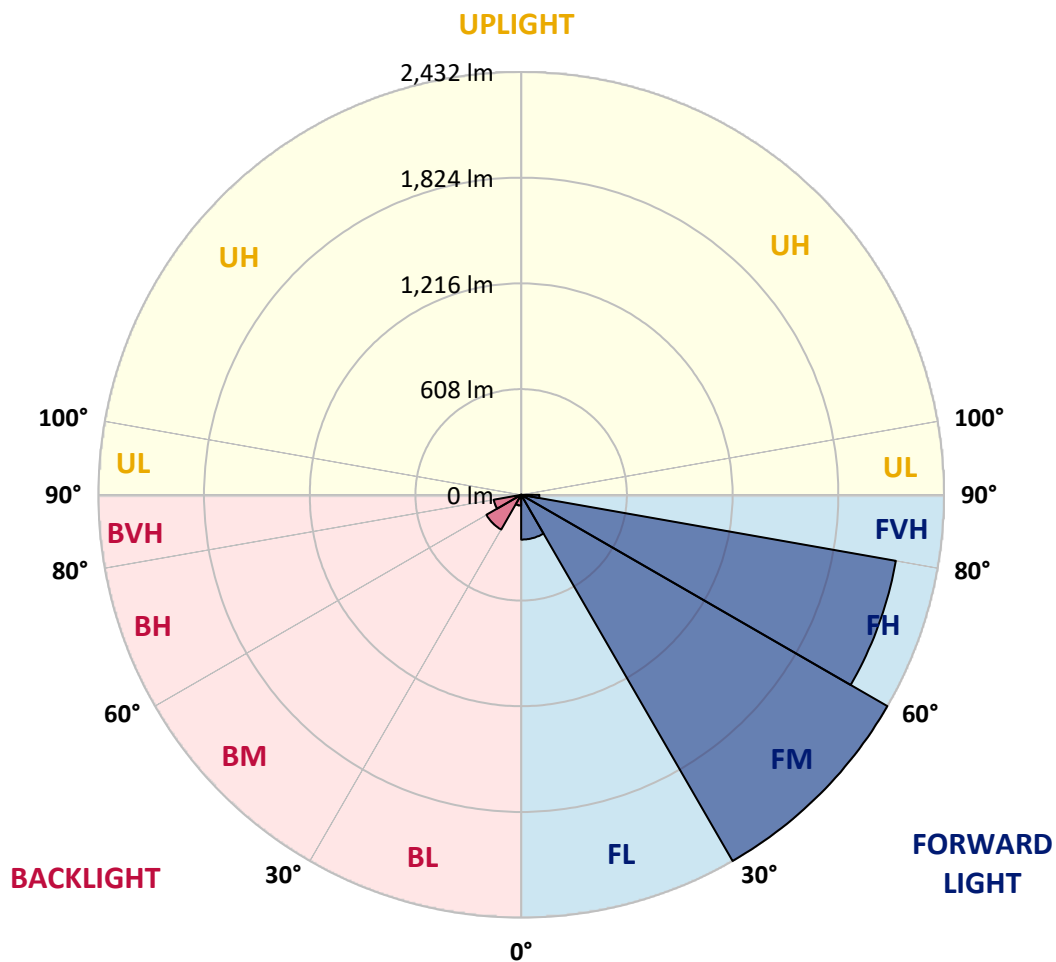
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.6	4.7			
FM	(30°-60°)	2432.2	44.7			
FH	(60°-80°)	2188.3	40.2			G2/5000
FVH	(80°-90°)	104.7	1.9			G2/225
BL	(0°-30°)	62.4	1.1	B0/110		
BM	(30°-60°)	230.7	4.2	B1/1000		
BH	(60°-80°)	159.8	2.9	B1/500		G1/500
BVH	(80°-90°)	3.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	4.9	3.5	3.5	2.8	2.1	2.1	2.1	2.8	2.8	2.1	2.8
5°	278.2	274.7	274.7	276.1	179.4	30.4	16.9	7.1	2.8	2.8	2.8
7.5°	264.1	261.3	262.7	266.2	268.3	271.9	271.9	83.3	26.8	2.8	2.8
10°	270.4	268.3	257.0	254.9	259.1	262.7	264.1	270.4	262.7	7.8	2.8
12.5°	475.9	472.4	472.4	478.7	278.2	254.2	257.0	263.4	227.4	29.7	16.2
15°	455.4	452.6	453.3	461.1	471.7	334.7	264.1	391.2	502.0	453.3	360.1
17.5°	635.5	547.2	473.1	450.5	452.6	467.4	511.9	538.1	510.5	516.2	392.6
20°	648.9	644.0	641.2	646.1	463.2	616.4	651.0	528.2	514.1	552.9	724.5
22.5°	671.5	660.2	637.6	634.8	713.2	607.3	630.6	738.6	758.4	809.9	754.1
25°	909.5	901.0	877.7	668.0	731.5	697.6	795.1	831.1	819.1	853.0	817.7
27.5°	999.2	982.9	932.8	867.1	776.7	822.6	804.3	824.0	904.5	1175.0	1153.1
30°	1400.2	1357.2	1218.8	998.5	923.6	856.5	935.6	977.3	1045.1	1202.5	1182.0
32.5°	1521.7	1475.8	1375.5	1271.0	1094.5	970.9	1029.5	1011.2	1059.9	1467.3	1552.0
35°	1875.4	1854.3	1673.5	1383.3	1338.1	1145.3	1081.1	1207.5	1279.5	1487.8	1631.1
37.5°	1879.7	1881.1	1870.5	1674.2	1467.3	1287.3	1299.3	1304.2	1360.0	1585.2	1722.9
40°	1939.7	1949.6	1975.7	1827.4	1653.0	1492.7	1461.0	1411.5	1461.0	1694.7	1848.6
42.5°	2065.4	2072.5	2130.4	1975.7	1799.9	1653.0	1669.3	1568.3	1604.3	1901.6	2019.5
45°	2286.4	2282.2	2354.9	2131.8	1936.9	1835.9	1854.3	1776.6	1754.7	2071.0	2220.0
47.5°	2536.4	2551.9	2549.1	2304.1	2073.2	2006.1	2059.0	2017.4	1931.2	2287.1	2453.8
50°	2772.9	2768.0	2694.5	2401.5	2194.6	2172.7	2294.9	2226.4	2148.0	2506.7	2679.0
52.5°	2859.1	2863.3	2775.7	2460.1	2298.4	2338.0	2520.8	2451.6	2350.0	2663.5	2902.8
55°	2843.5	2849.2	2799.8	2520.1	2376.1	2492.6	2755.3	2696.0	2581.6	2833.6	3070.9
57.5°	2698.1	2698.1	2738.3	2557.6	2451.6	2631.0	2964.3	2940.3	2799.0	2974.9	3171.2
60°	2326.7	2366.2	2492.6	2512.4	2540.6	2780.7	3171.2	3163.4	2991.8	3106.9	3230.5
62.5°	1789.3	1802.0	2081.6	2293.5	2547.7	2981.9	3345.6	3308.2	3134.5	3147.2	3272.1
65°	1014.7	1072.6	1331.0	1866.3	2402.9	3192.4	3625.9	3465.6	3259.4	3195.2	3425.4
67.5°	546.5	567.7	711.8	1129.8	1969.4	3215.7	4261.4	3865.3	3556.0	3448.0	3725.5
70°	353.1	375.7	453.3	620.7	1235.0	2843.5	4859.5	4726.0	4168.2	3794.0	3771.4
72.5°	229.5	242.9	326.9	467.4	742.8	1873.3	4832.0	5206.2	4651.9	3787.6	3395.0
75°	93.2	102.4	163.8	389.1	627.7	918.0	3707.1	4389.9	4367.3	3366.1	2627.5
77.5°	46.6	49.4	72.7	210.4	557.1	635.5	2345.7	3096.3	3109.0	2453.8	1461.0
80°	30.4	29.7	41.7	98.9	379.9	578.3	1312.0	1902.3	1778.7	930.7	409.5
82.5°	12.0	12.7	22.6	56.5	158.9	523.2	748.5	1023.9	800.7	181.5	117.9
85°	2.1	2.1	7.1	30.4	50.1	239.4	483.0	495.7	329.1	57.2	59.3
87.5°	0.7	0.7	1.4	2.1	3.5	5.6	21.2	9.9	6.4	9.9	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.8	2.8	2.8	2.1	2.1	1.4	0.0	0.0	0.7	0.7	0.7
5°	2.8	2.8	2.8	2.1	2.1	0.7	0.0	0.0	0.7	0.7	0.7
7.5°	2.8	2.8	2.8	2.1	1.4	0.7	0.0	0.0	0.7	0.7	0.7
10°	2.8	2.8	2.8	2.1	1.4	0.7	20.5	130.6	134.9	135.6	134.2
12.5°	17.7	18.4	9.9	2.1	1.4	121.5	120.7	101.0	88.3	83.3	77.0
15°	383.4	364.4	301.5	177.9	98.2	99.6	73.4	54.4	43.8	41.0	39.5
17.5°	379.9	352.4	277.5	162.4	170.9	74.8	39.5	43.8	57.2	57.9	57.9
20°	713.9	626.3	271.1	181.5	115.1	65.0	51.5	54.4	54.4	55.1	54.4
22.5°	744.2	656.7	406.0	231.6	82.6	68.5	58.6	50.8	52.3	67.8	65.7
25°	750.6	644.0	376.4	181.5	79.8	68.5	64.3	62.1	69.9	69.9	70.6
27.5°	1081.8	905.2	456.2	136.3	79.1	71.3	71.3	65.0	62.8	62.1	62.8
30°	1079.7	874.2	389.1	115.1	76.3	70.6	64.3	57.9	69.9	70.6	70.6
32.5°	1417.2	1117.8	376.4	93.2	76.3	65.0	56.5	60.0	55.8	55.8	55.8
35°	1436.9	1089.5	296.6	96.7	67.8	59.3	55.1	46.6	49.4	50.1	48.7
37.5°	1475.1	1069.8	225.3	87.6	67.8	55.1	45.2	41.7	38.8	38.1	38.1
40°	1543.6	1071.2	173.7	80.5	63.6	50.1	40.2	33.9	35.3	35.3	34.6
42.5°	1646.0	1091.7	136.3	74.1	57.2	44.5	33.9	30.4	28.2	28.2	27.5
45°	1781.5	1135.4	111.6	69.2	52.3	38.1	27.5	24.7	22.6	22.6	21.9
47.5°	1949.6	1196.9	97.4	64.3	46.6	31.8	22.6	19.8	18.4	17.7	17.7
50°	2128.9	1270.3	89.7	60.0	40.2	25.4	18.4	15.5	14.1	14.1	13.4
52.5°	2314.7	1354.3	83.3	57.2	34.6	21.2	14.1	11.3	10.6	9.9	10.6
55°	2465.1	1405.2	79.1	56.5	29.0	16.9	10.6	8.5	7.8	7.1	7.1
57.5°	2563.9	1432.7	73.4	52.3	23.3	12.7	7.8	5.6	4.9	4.9	4.9
60°	2641.6	1448.2	66.4	41.7	18.4	9.2	4.9	3.5	3.5	3.5	3.5
62.5°	2703.0	1458.8	55.8	32.5	14.1	6.4	3.5	2.1	2.1	2.1	2.1
65°	2885.2	1521.0	43.1	24.7	10.6	4.2	2.1	1.4	0.7	1.4	1.4
67.5°	3106.9	1547.1	31.8	17.7	7.8	2.8	1.4	0.7	0.7	0.7	1.4
70°	3019.4	1348.0	23.3	12.7	5.6	2.1	1.4	0.7	0.7	0.7	1.4
72.5°	2537.1	985.0	16.9	9.2	4.2	2.1	1.4	0.7	0.7	1.4	1.4
75°	1824.6	555.7	13.4	6.4	3.5	2.1	1.4	1.4	1.4	2.1	2.1
77.5°	858.6	206.9	13.4	5.6	3.5	2.1	1.4	1.4	2.1	2.8	1.4
80°	208.3	51.5	13.4	4.9	3.5	2.1	2.1	2.1	2.8	2.8	1.4
82.5°	69.9	21.9	9.9	4.2	3.5	2.1	2.1	2.8	2.8	3.5	2.1
85°	42.4	14.1	7.1	4.9	4.2	2.1	2.8	2.8	3.5	4.2	2.1
87.5°	7.1	5.6	4.9	4.9	4.2	2.8	2.8	3.5	3.5	4.2	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)